

The diagram illustrates a satellite-based network system (200). On the left, a satellite (206) is shown in orbit. Below it, a ground station (204) with an antenna is connected to the satellite via a link (300). The ground station is also connected to an operations center (202) via a terrestrial link (202). The operations center is connected to a cable headend (208) via a terrestrial link (204'). The cable headend (208) contains a network controller (214). The network controller (214) is connected to a concatenated cable system (210), which is in turn connected to a set-top terminal (220). The set-top terminal (220) is connected to a remote terminal (900). The entire system is enclosed in a dashed box (200). A lightning bolt symbol (207) is shown near the satellite, and a lightning bolt symbol (208) is shown near the cable headend.

Fig. 1

Fig. 2

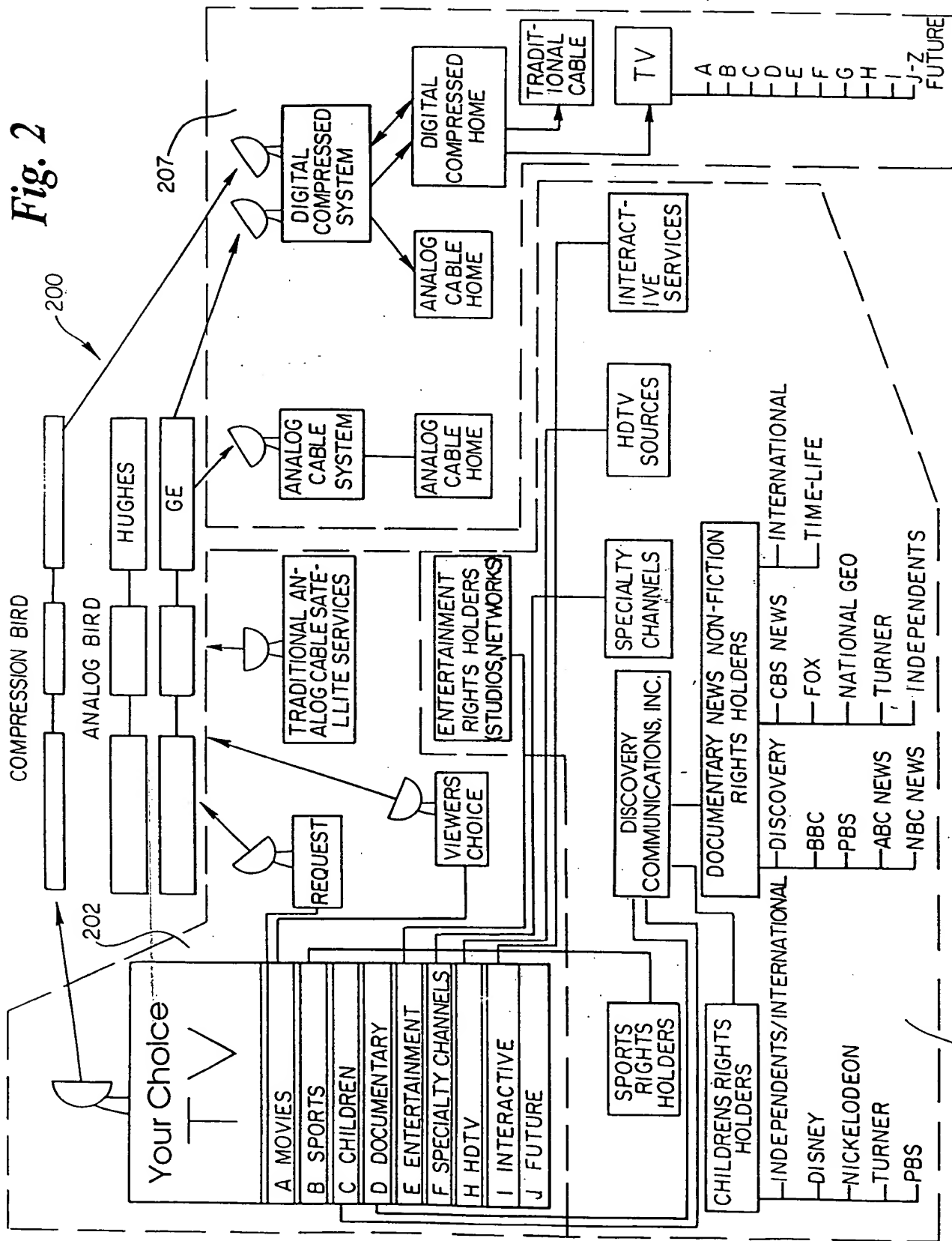
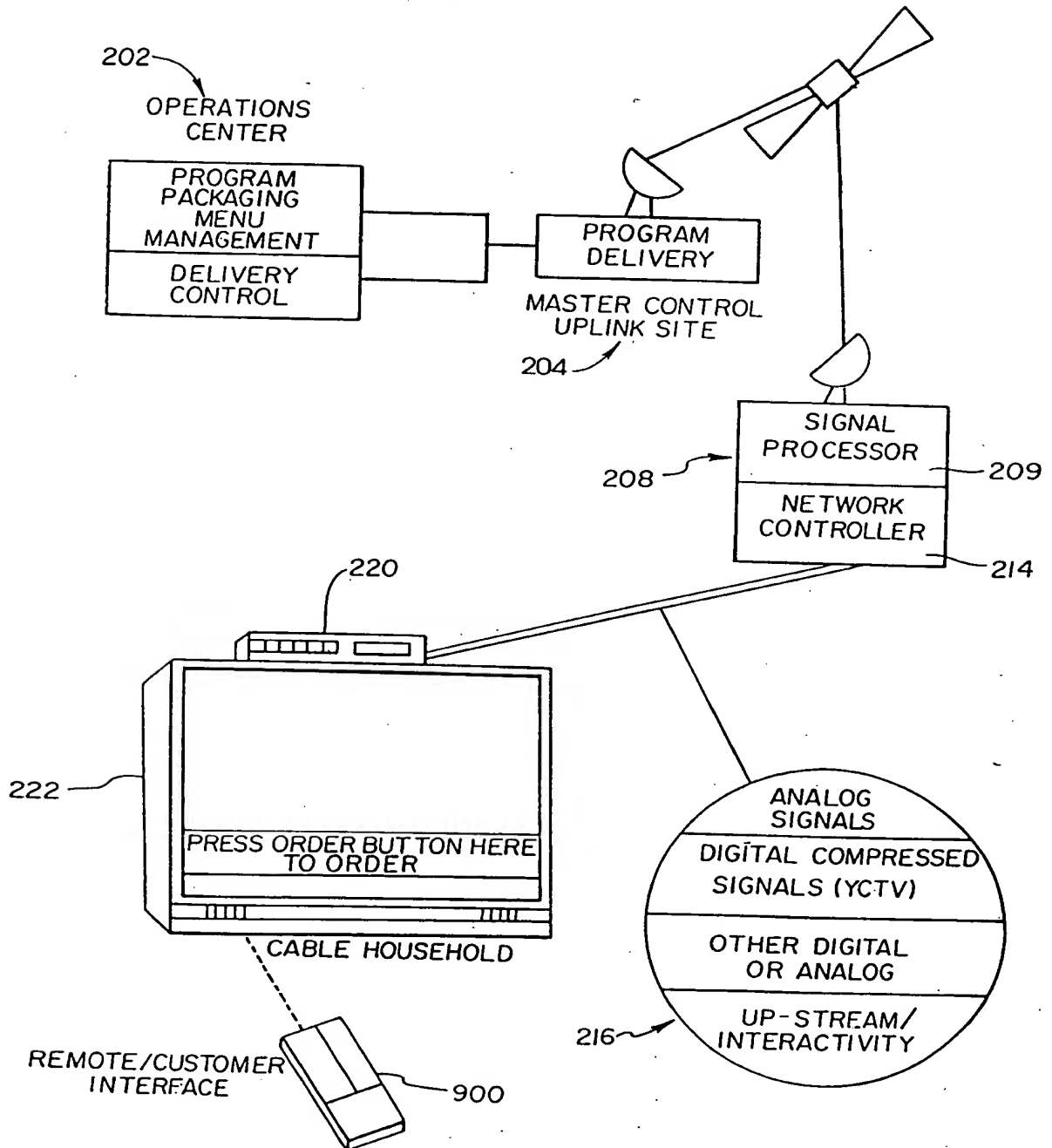


Fig. 3



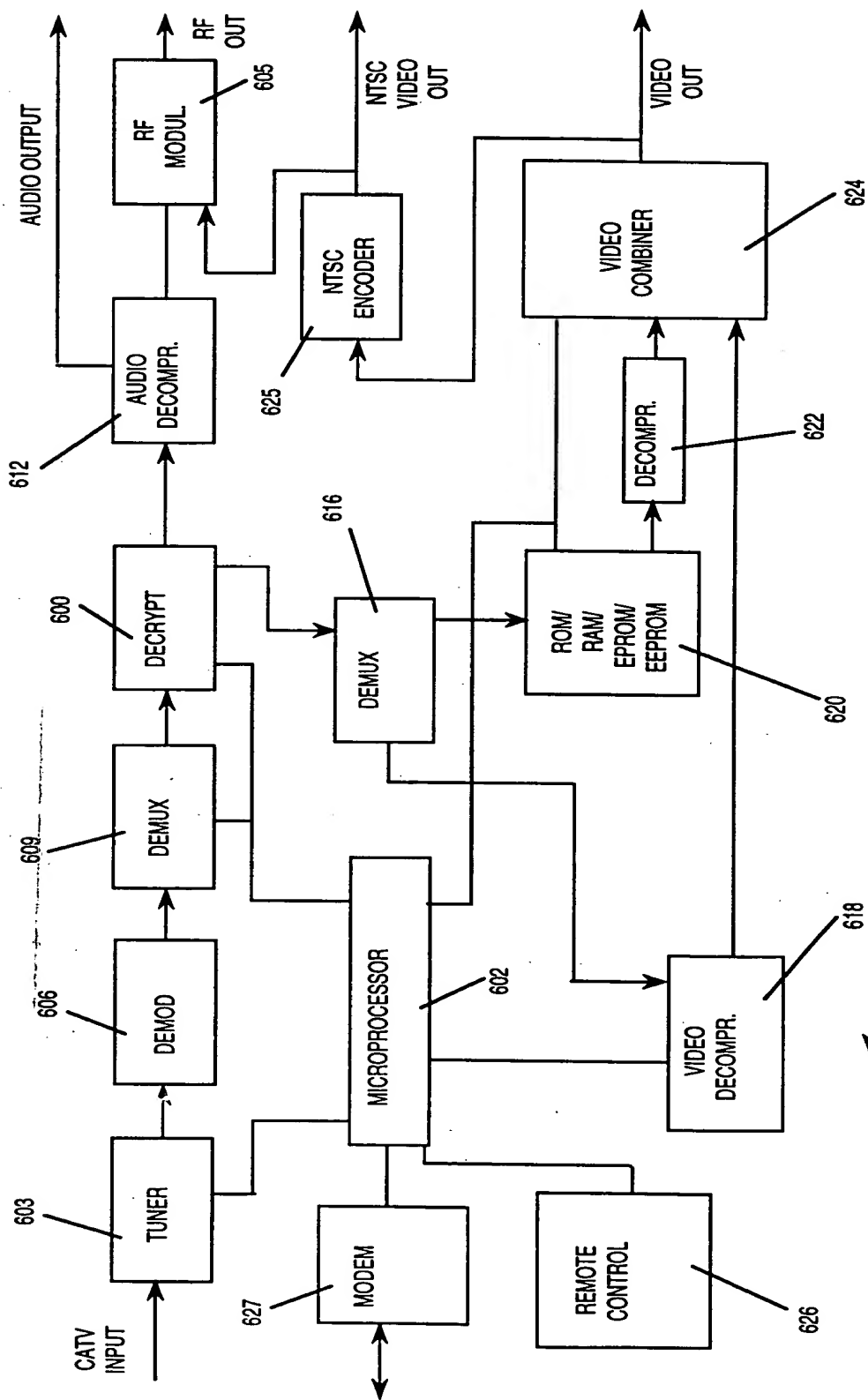


Fig. 4

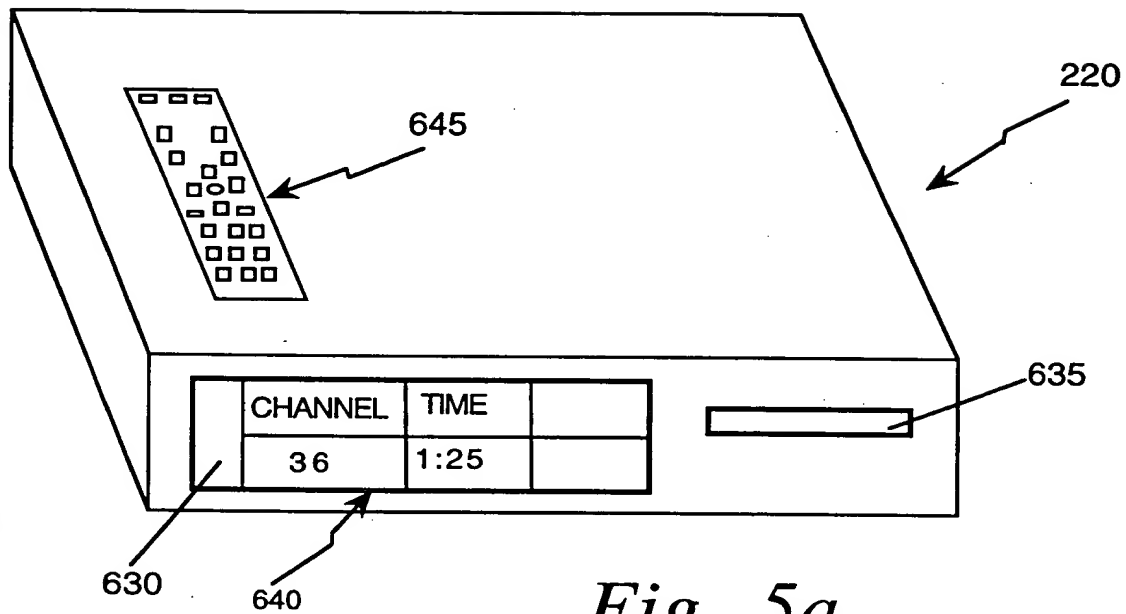


Fig. 5a

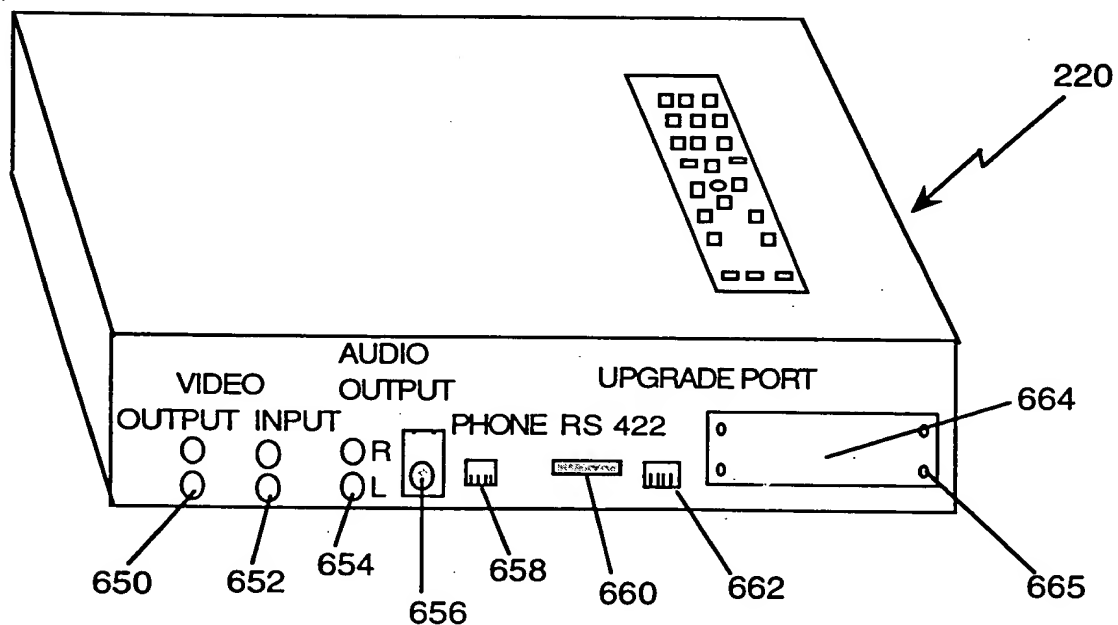
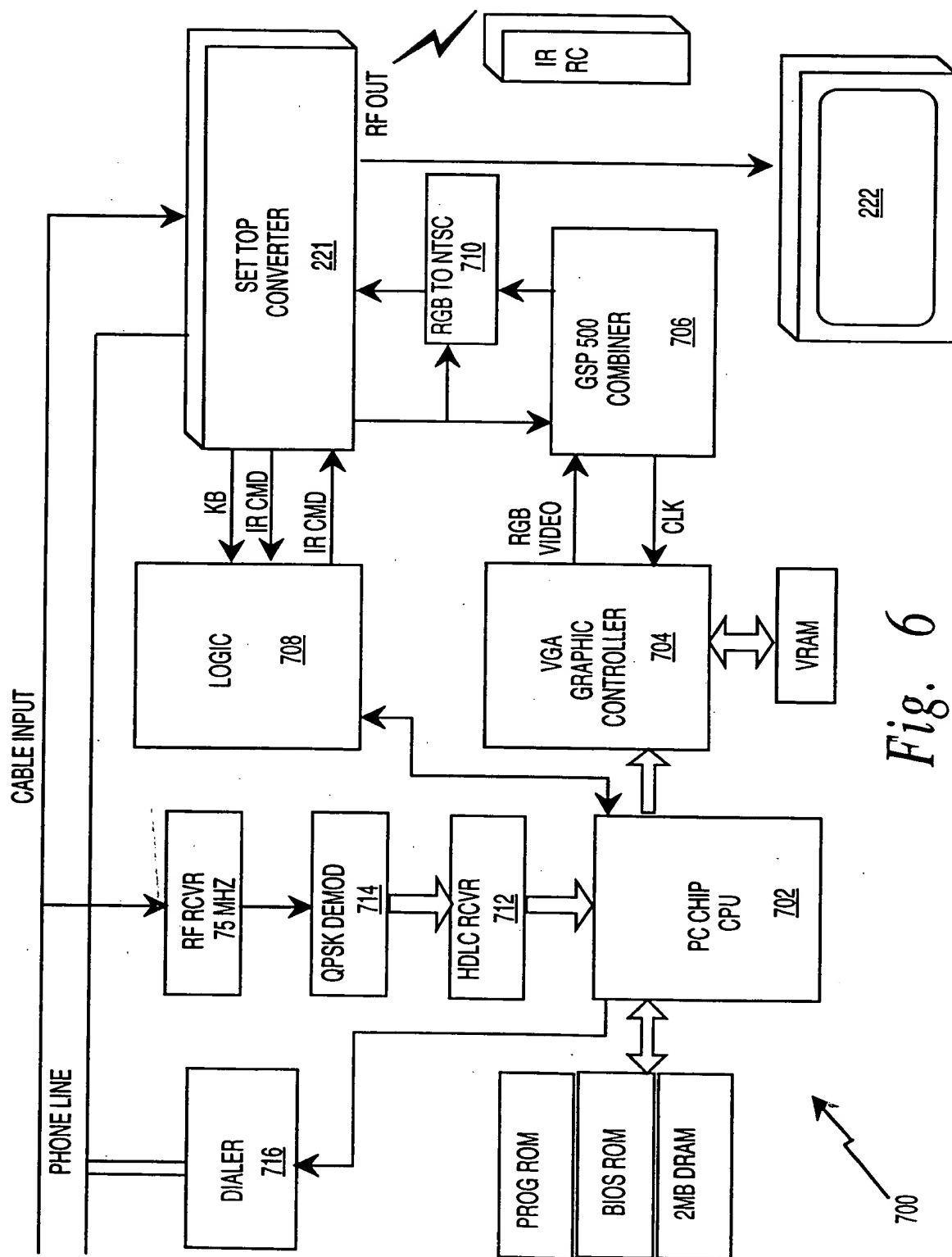


Fig. 5b



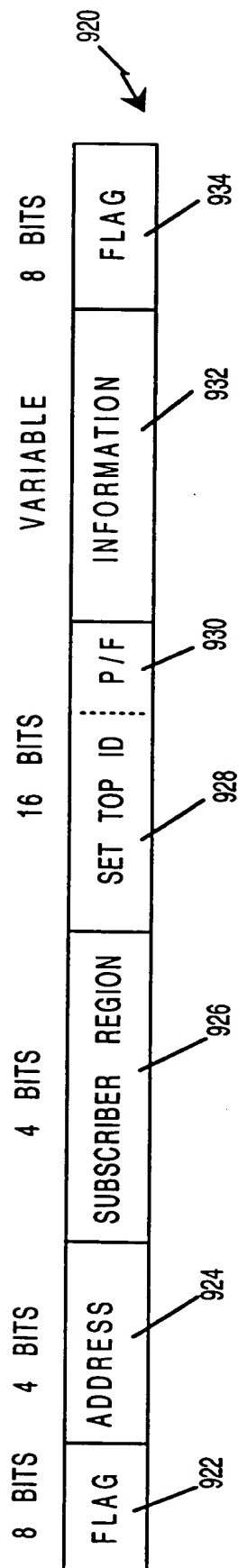
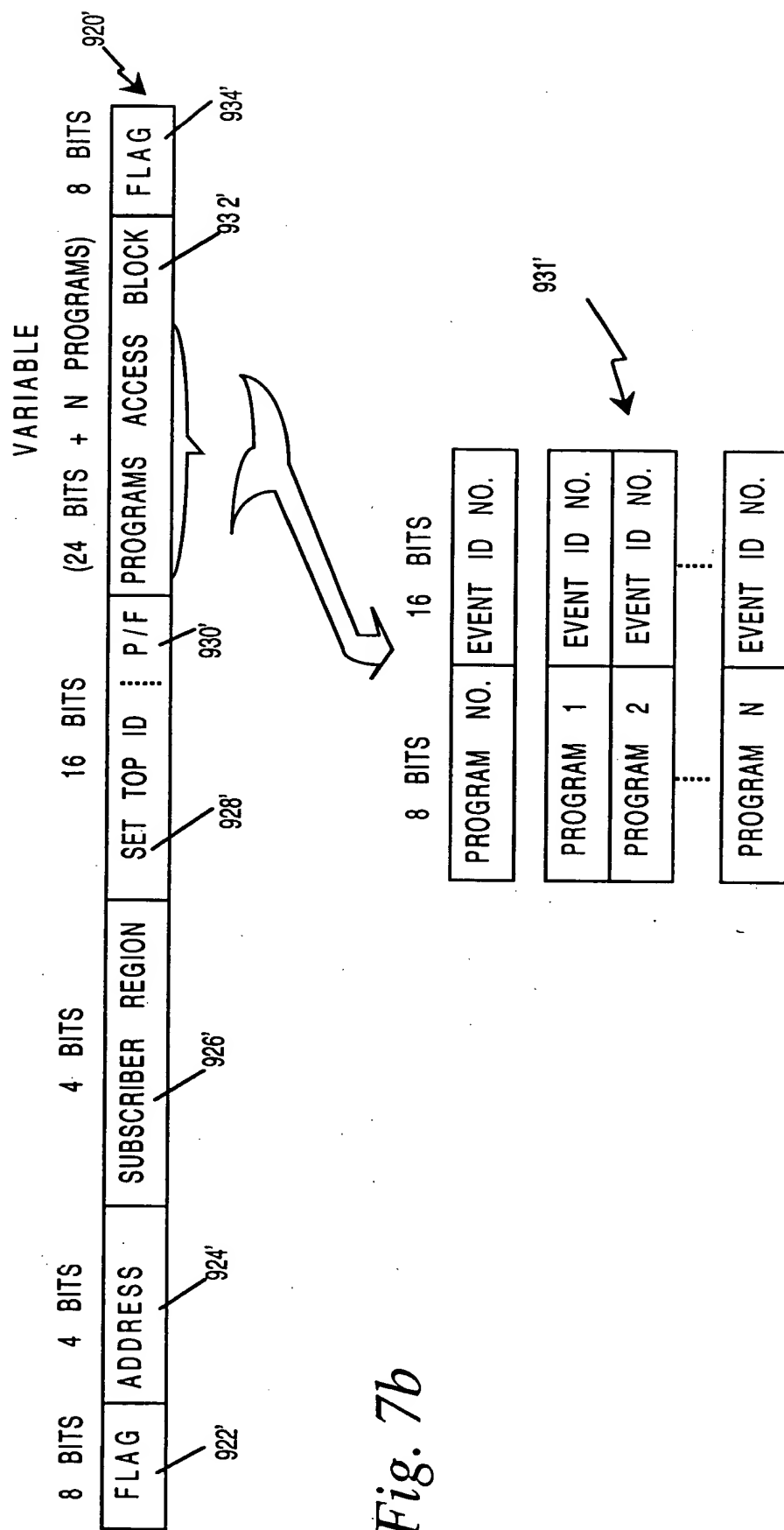
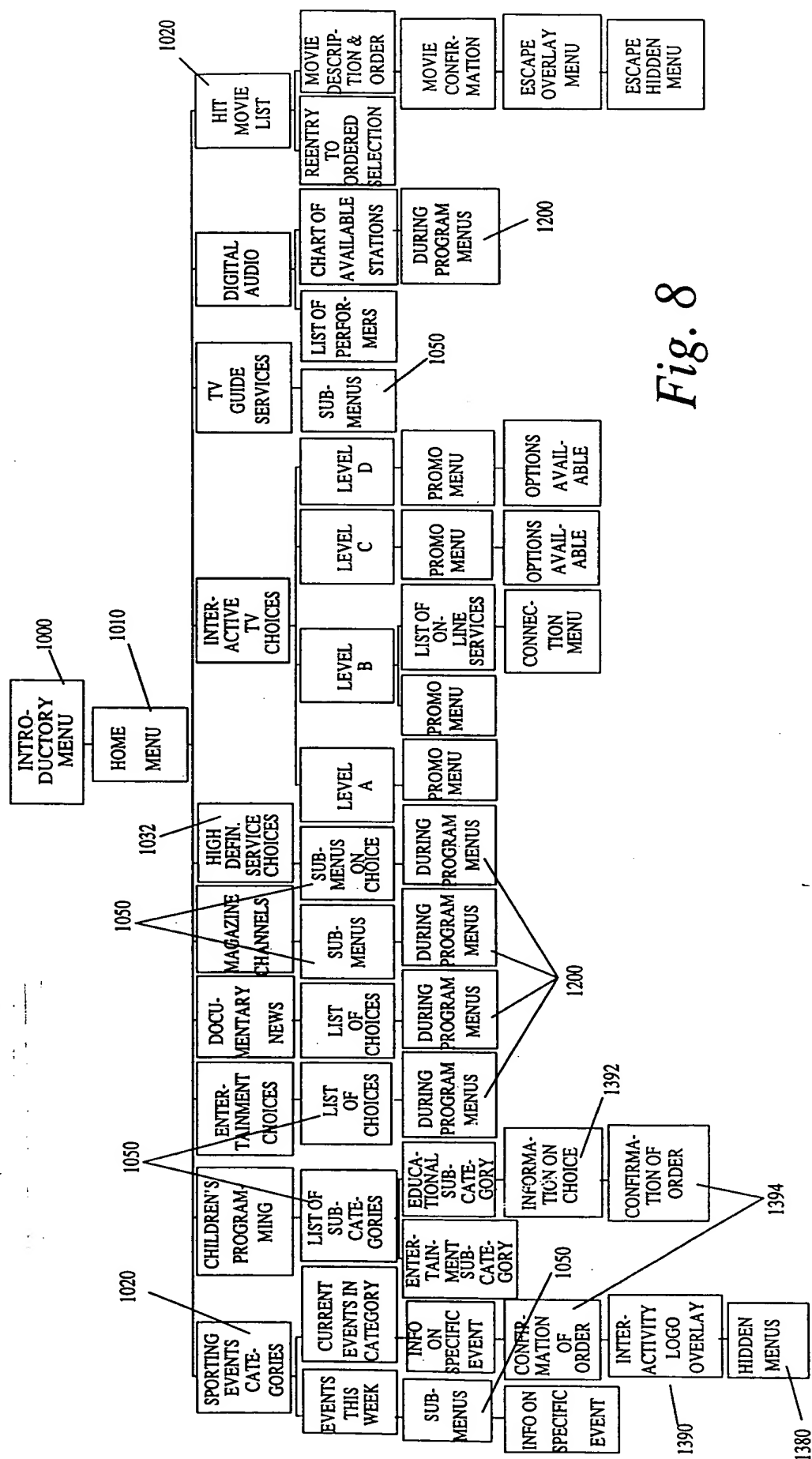


Fig. 7a





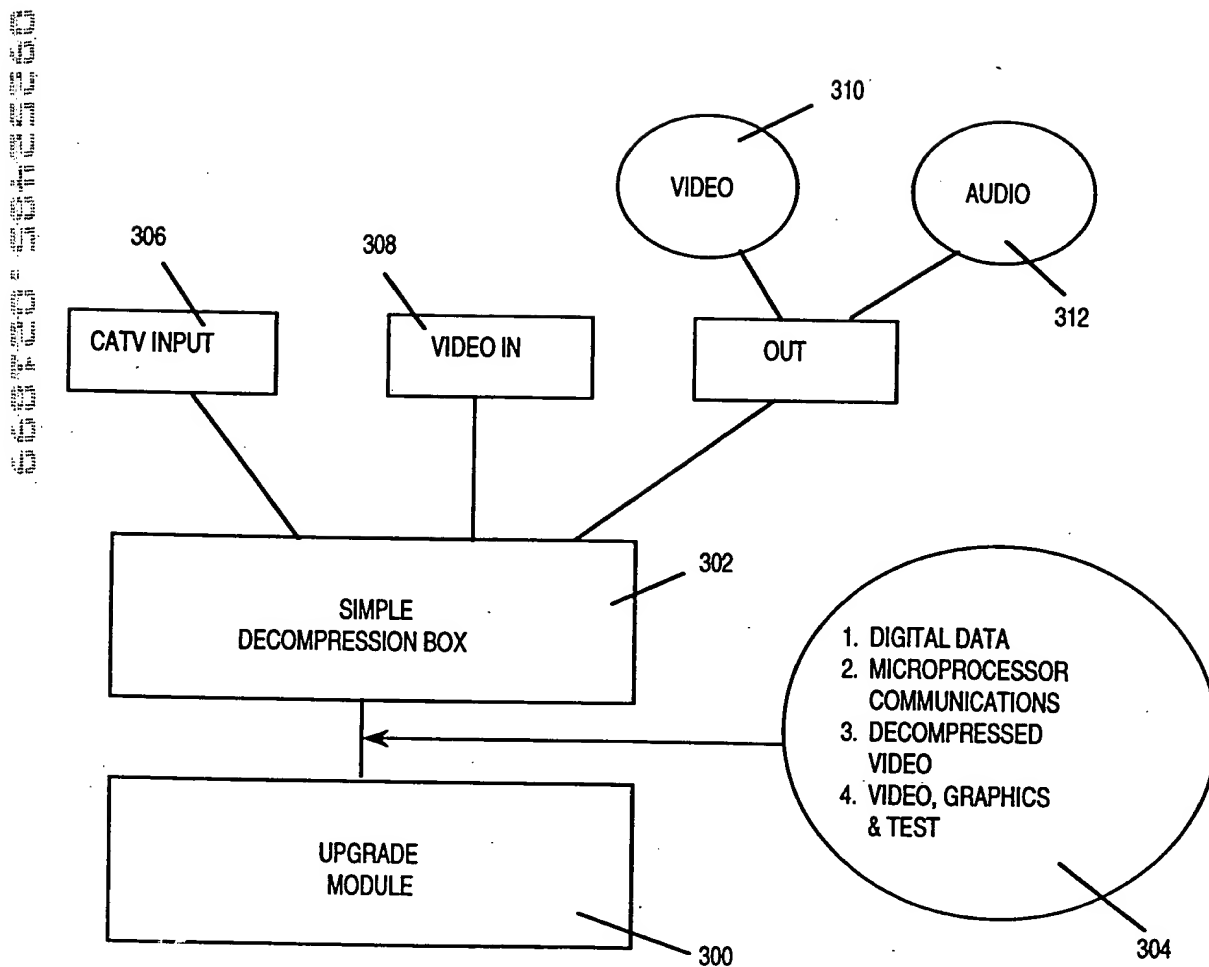


Fig. 9a

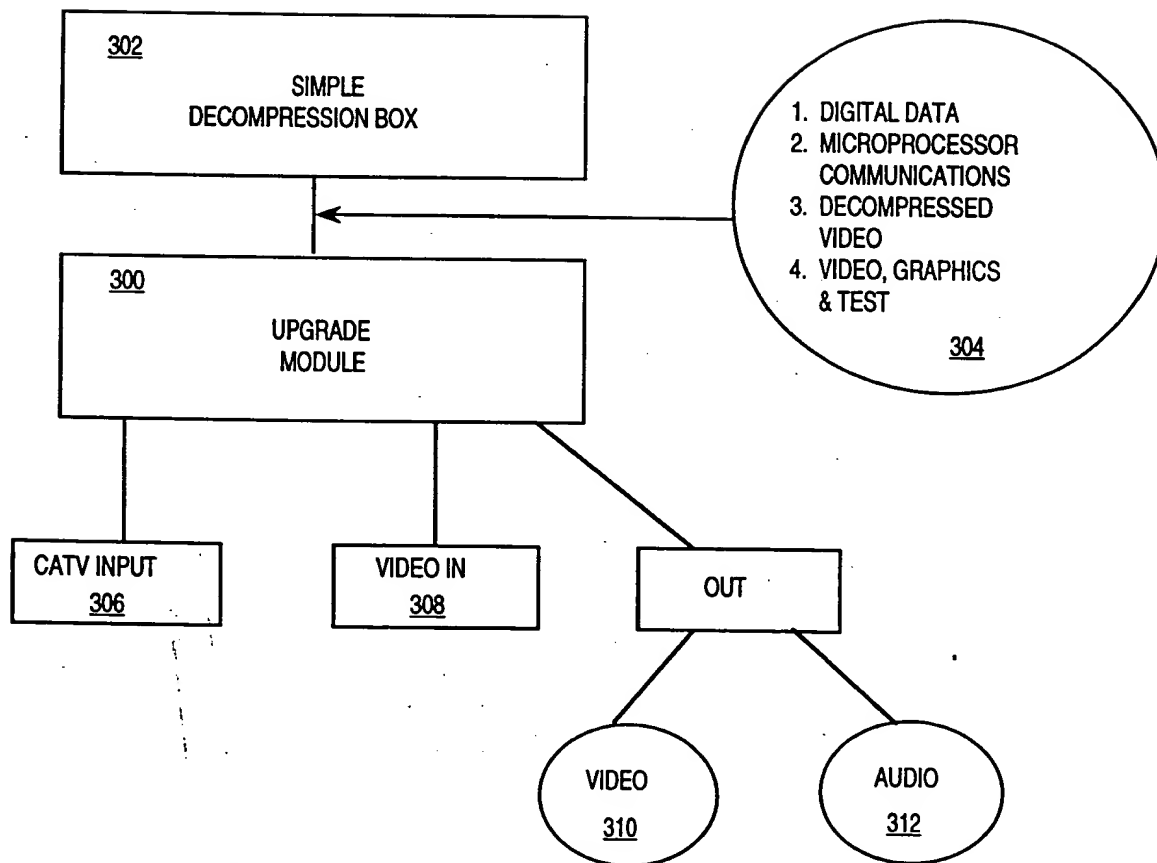


Fig. 9b

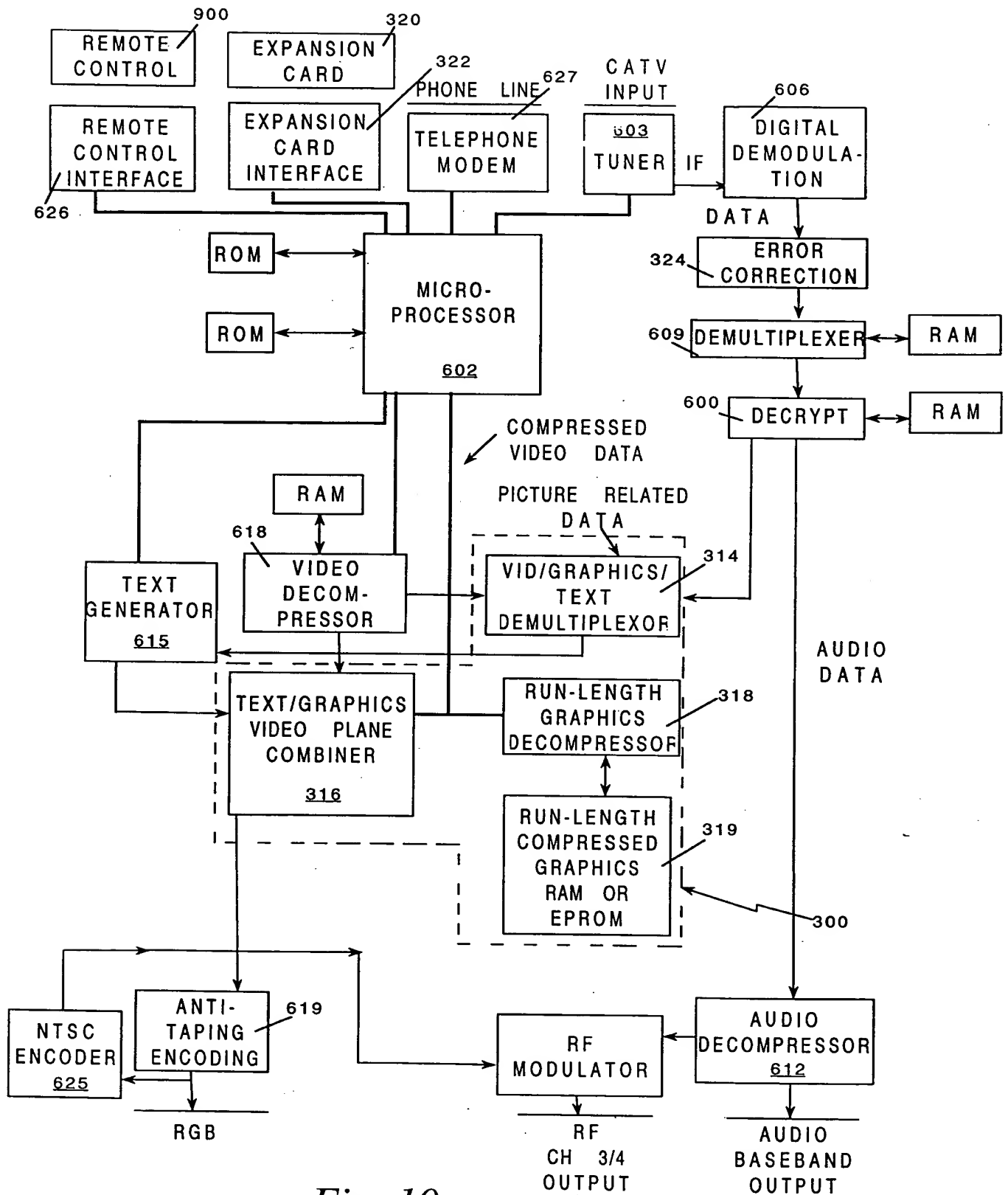
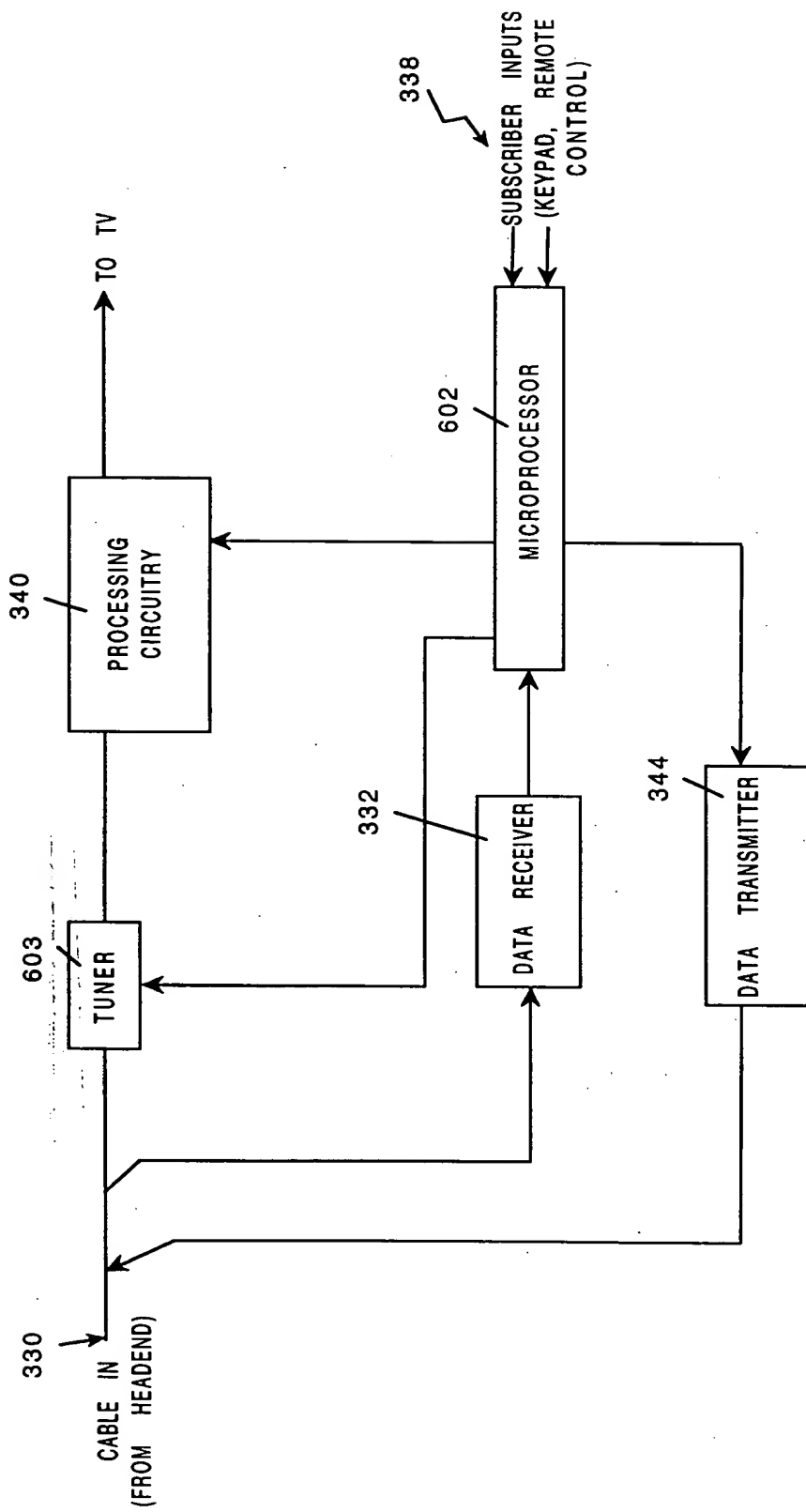


Fig. 10



SET TOP TERMINAL UPSTREAM DATA TRANSMISSION HARDWARE

Fig. 11

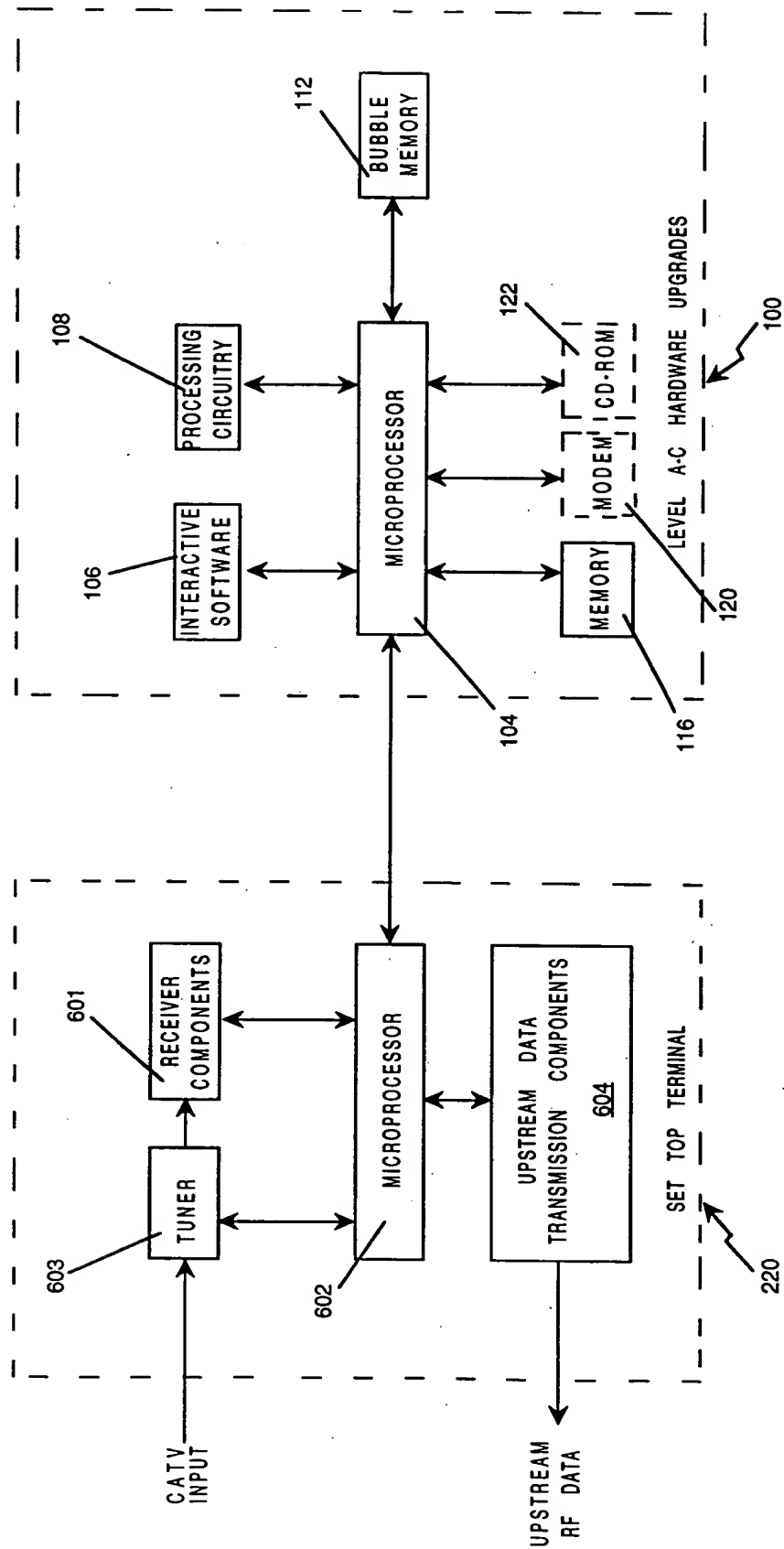


Fig. 12a

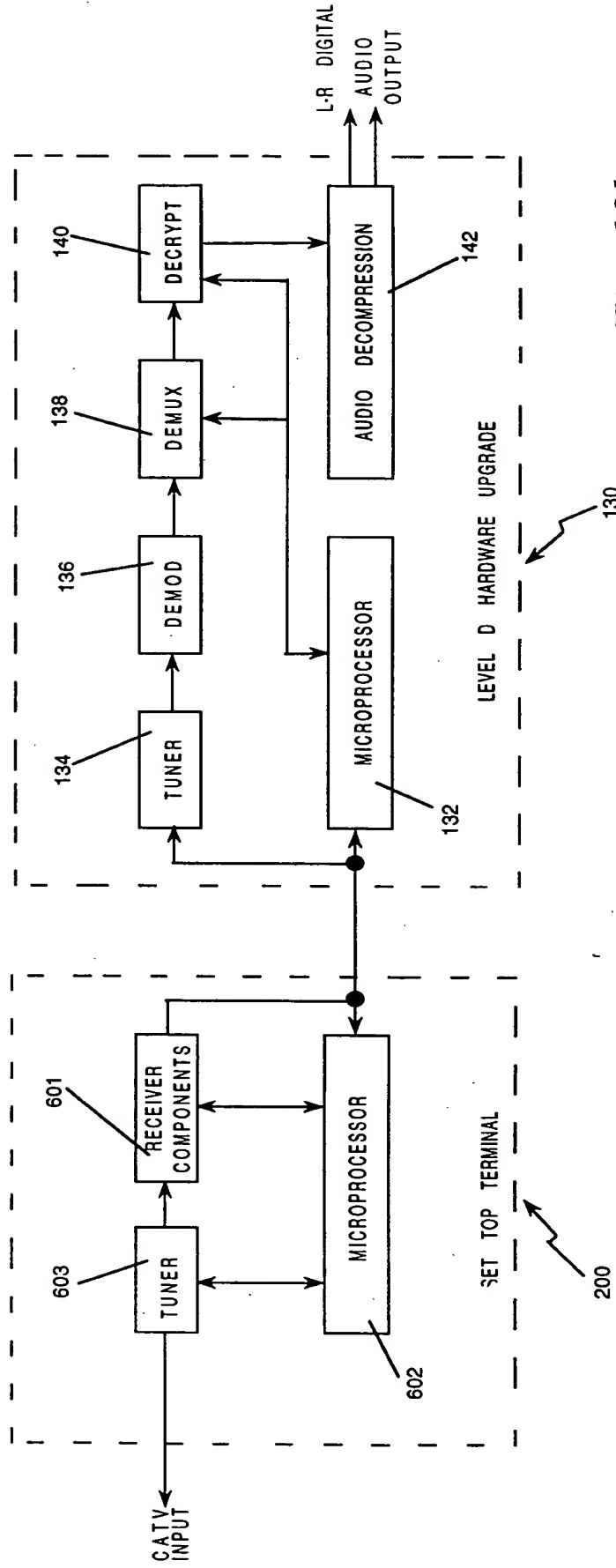


Fig. 12b

Fig. 13a

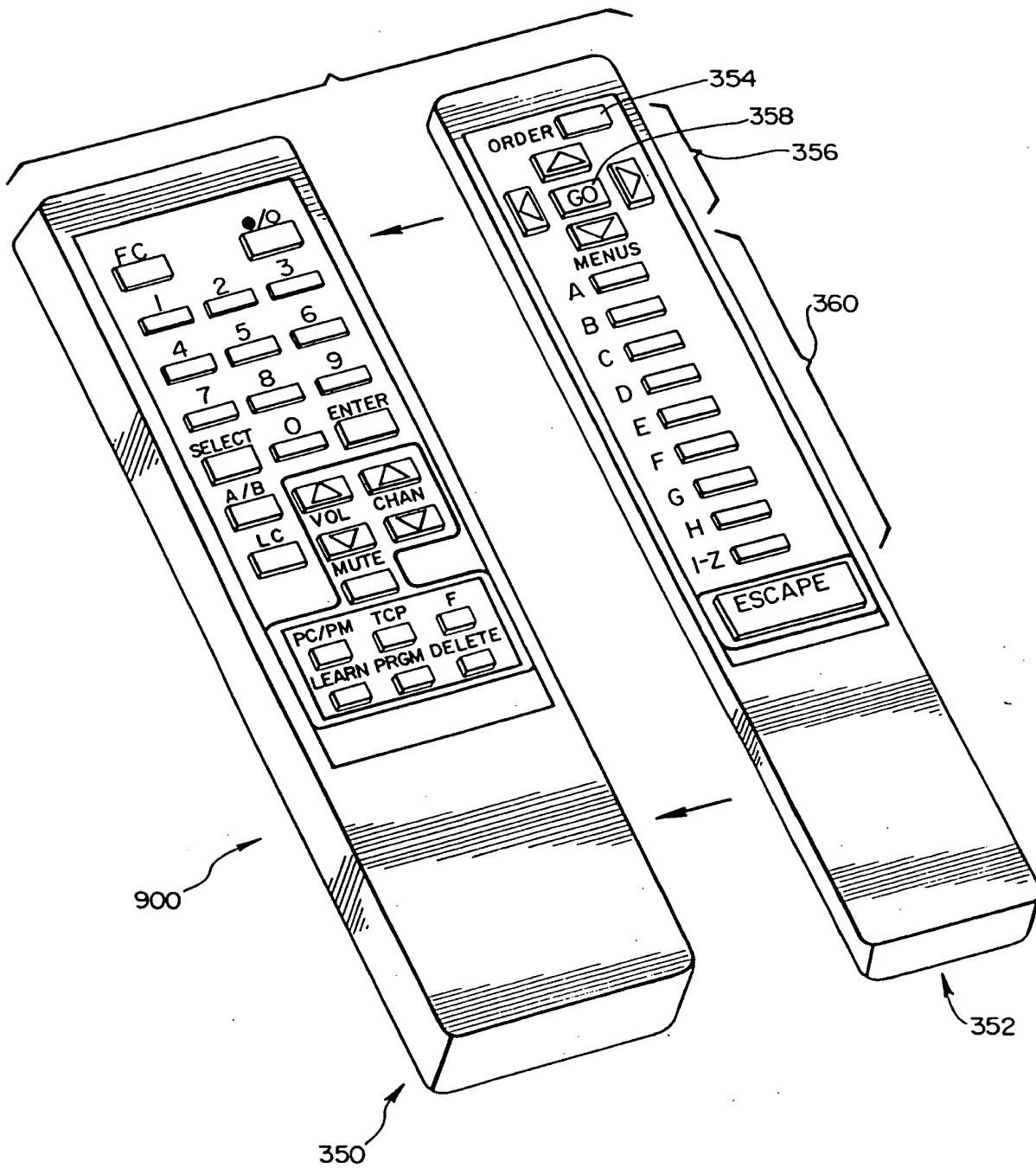
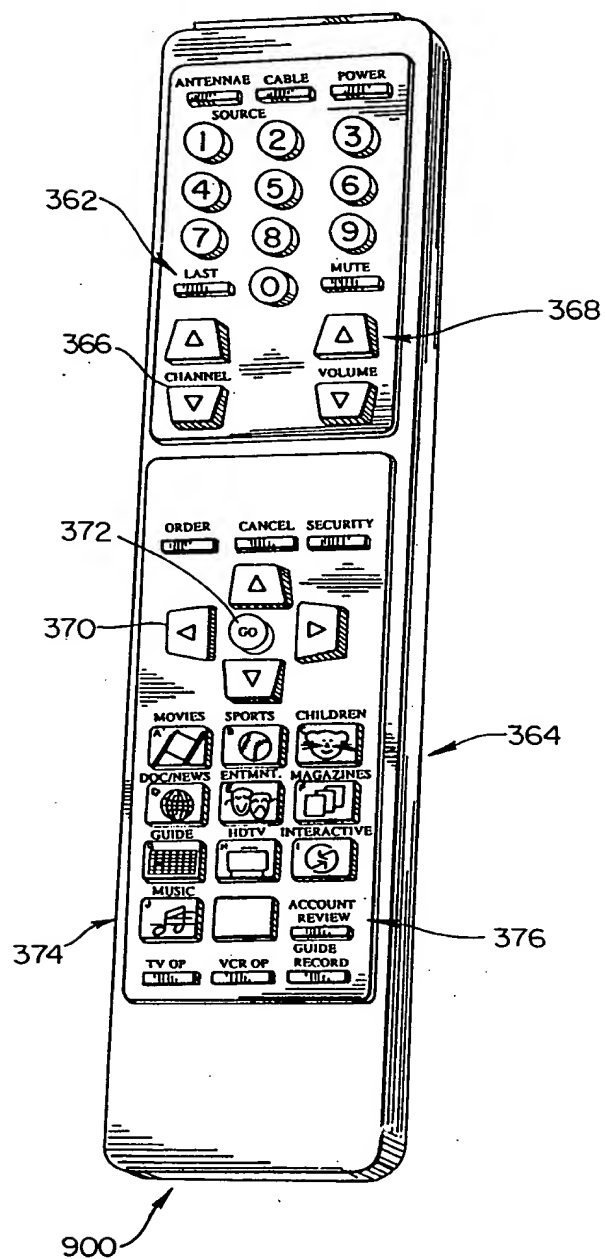


Fig. 13b



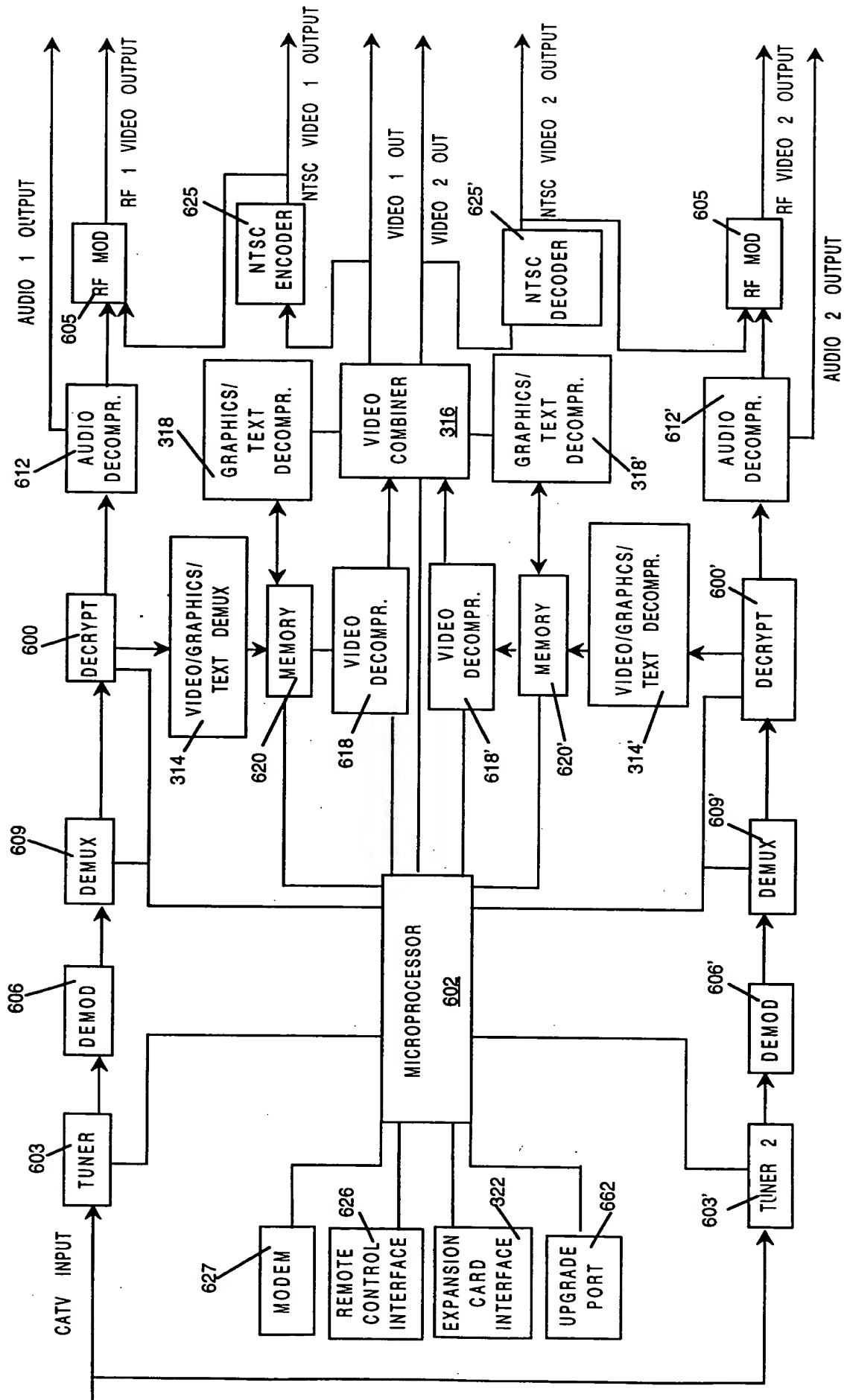


Fig. 14

Fig. 15

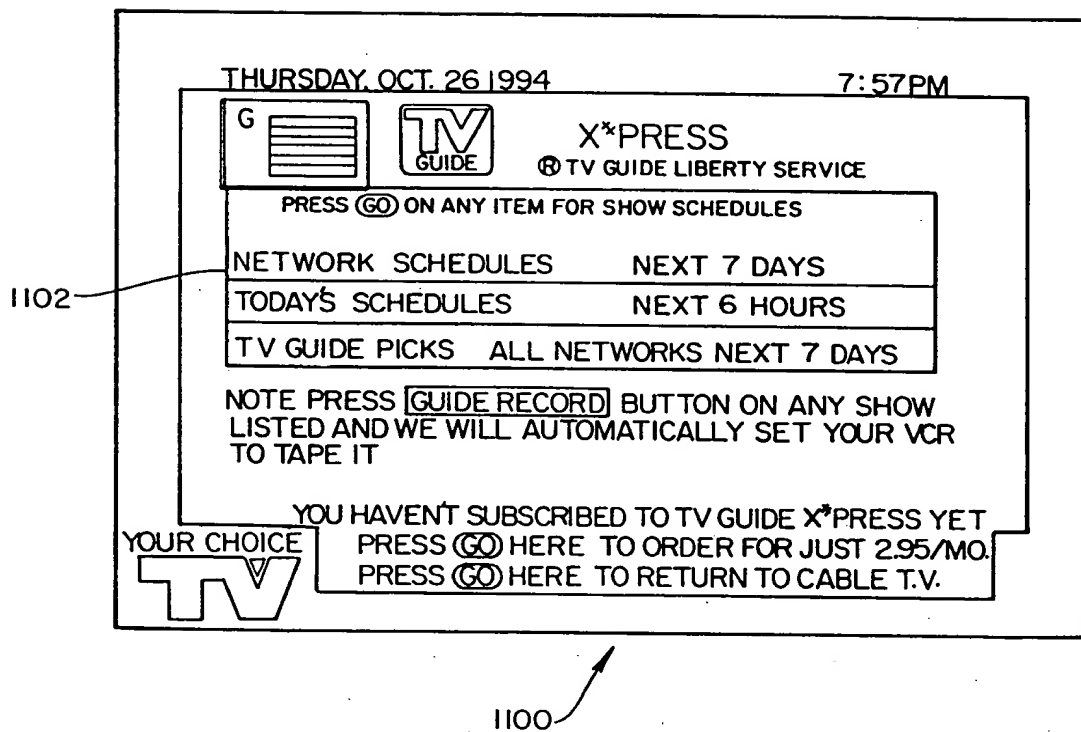
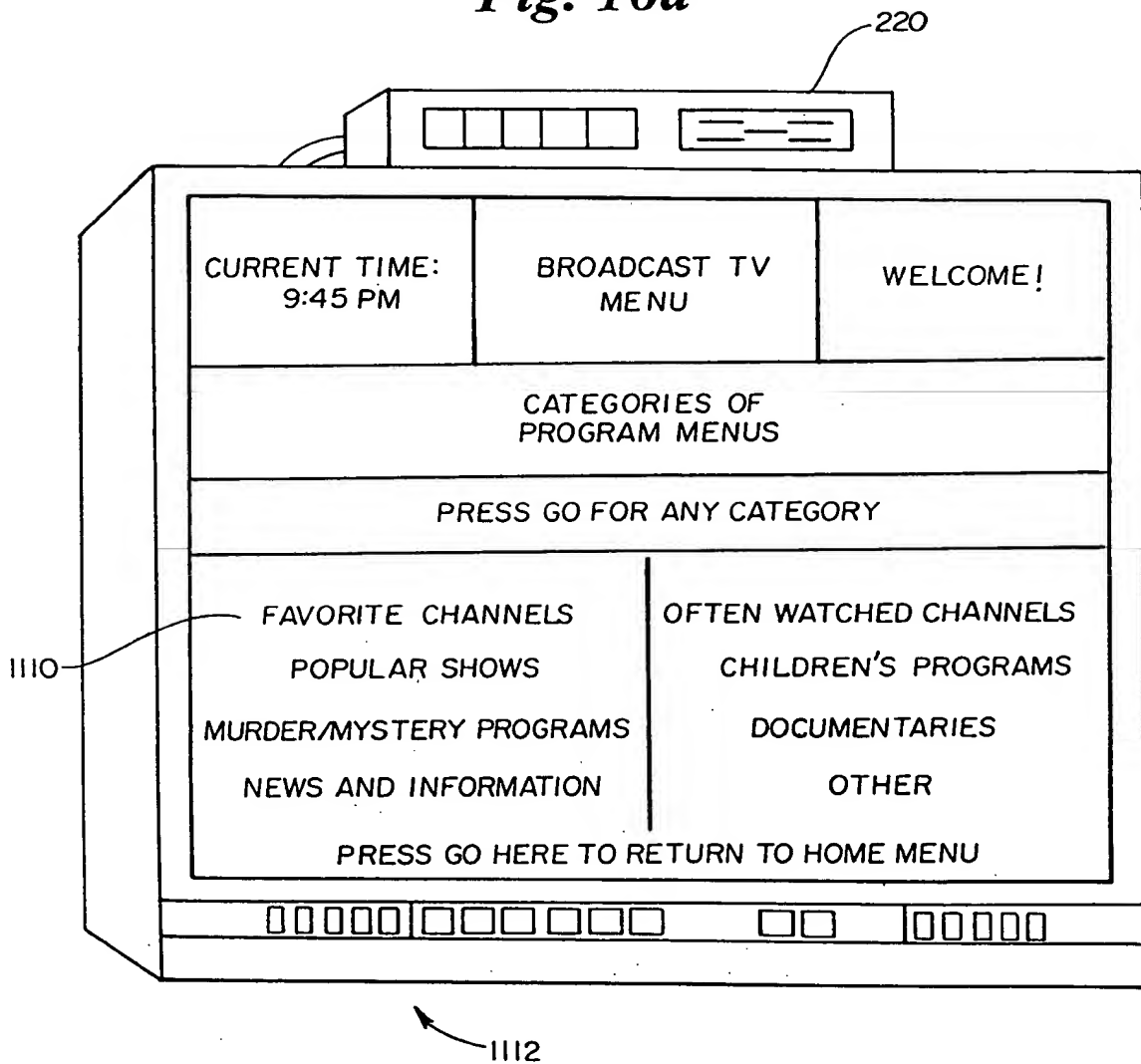


Fig. 16a



MOOD QUESTION MENUS

1114

LENGTH OF PROGRAM DESIRED

SHORT	30 minutes or less
MEDIUM	30 to 60 minutes
LONG	60 minutes or more

Fig. 16b

1116

TYPE OF PROGRAM DESIRED

SERIOUS
THOUGHTFUL
LIGHT

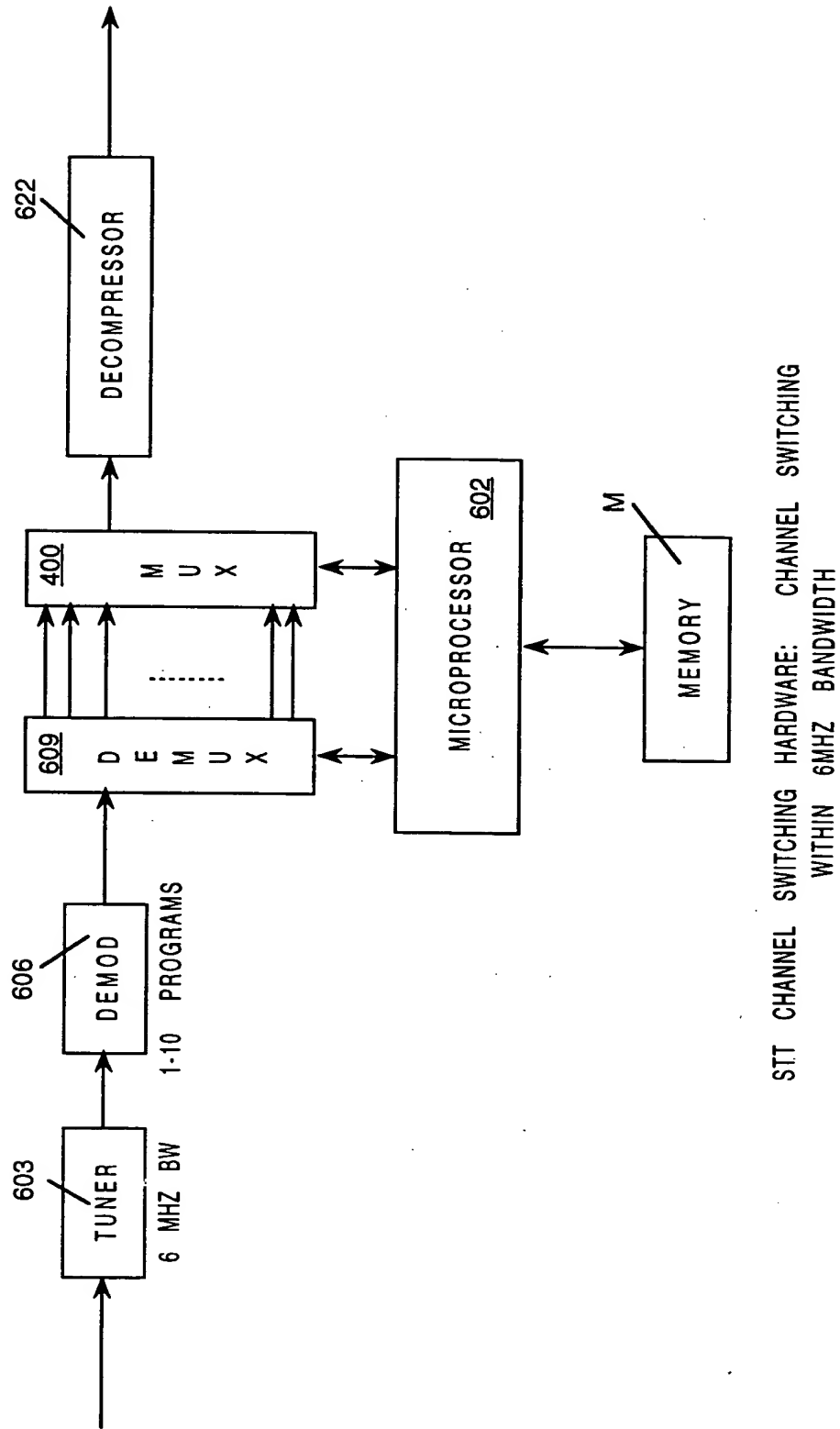
Fig. 16c

1118

DO YOU WISH AN ACTIVE OR PASSIVE PROGRAM?

ACTIVE
PASSIVE

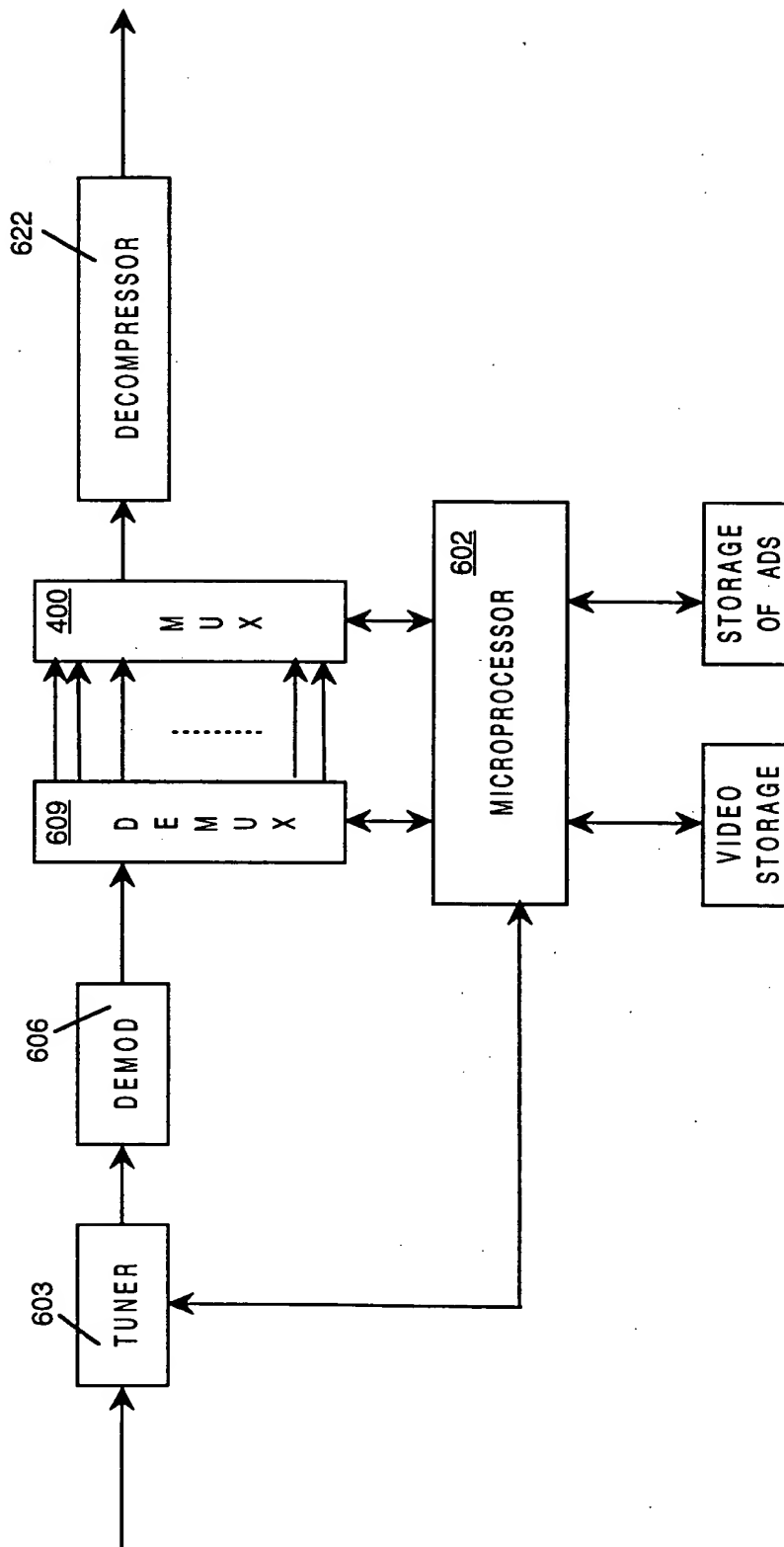
Fig. 16d



STT CHANNEL SWITCHING HARDWARE: CHANNEL SWITCHING
WITHIN 6MHZ BANDWIDTH

Fig. 17a

603 TUNER 606 DEMOD 609 DEMUX 400 MUX 602 MICROPROCESSOR 622 DECOMPRESSOR
 STORAGE OF ADS VIDEO STORAGE



STT CHANNEL SWITCHING HARDWARE: CHANNEL SWITCHING
 OUTSIDE 6MHZ BANDWIDTH

Fig. 17b

Fig. 18

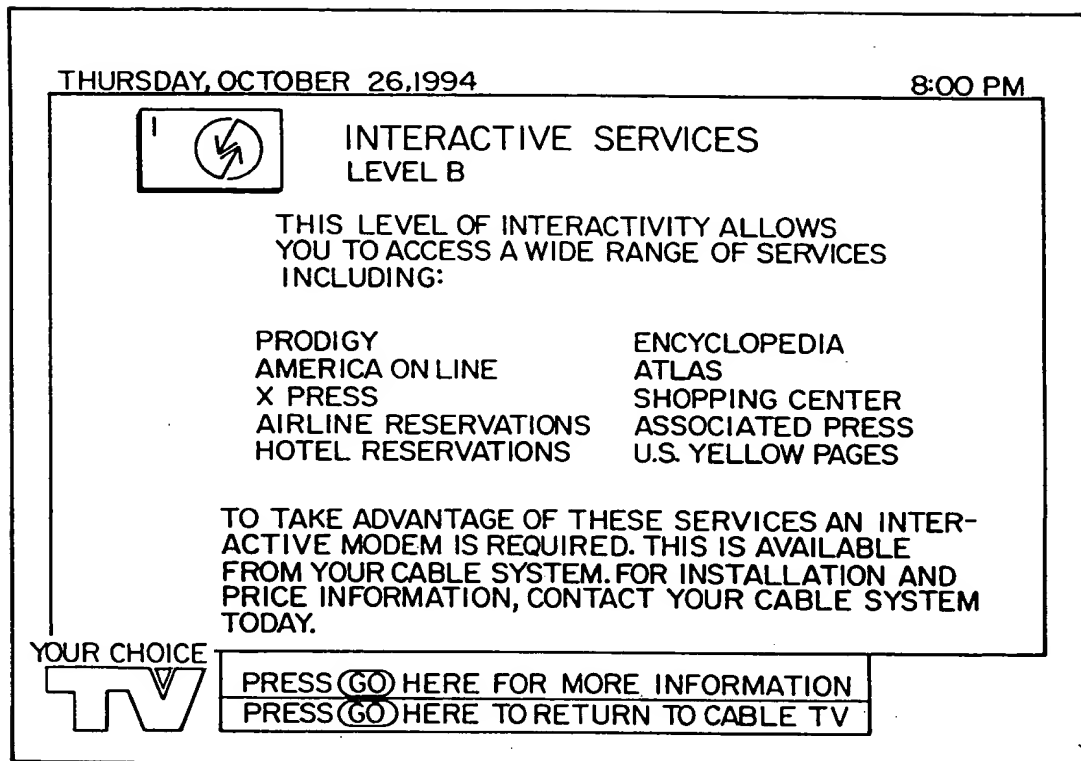


Fig. 19a

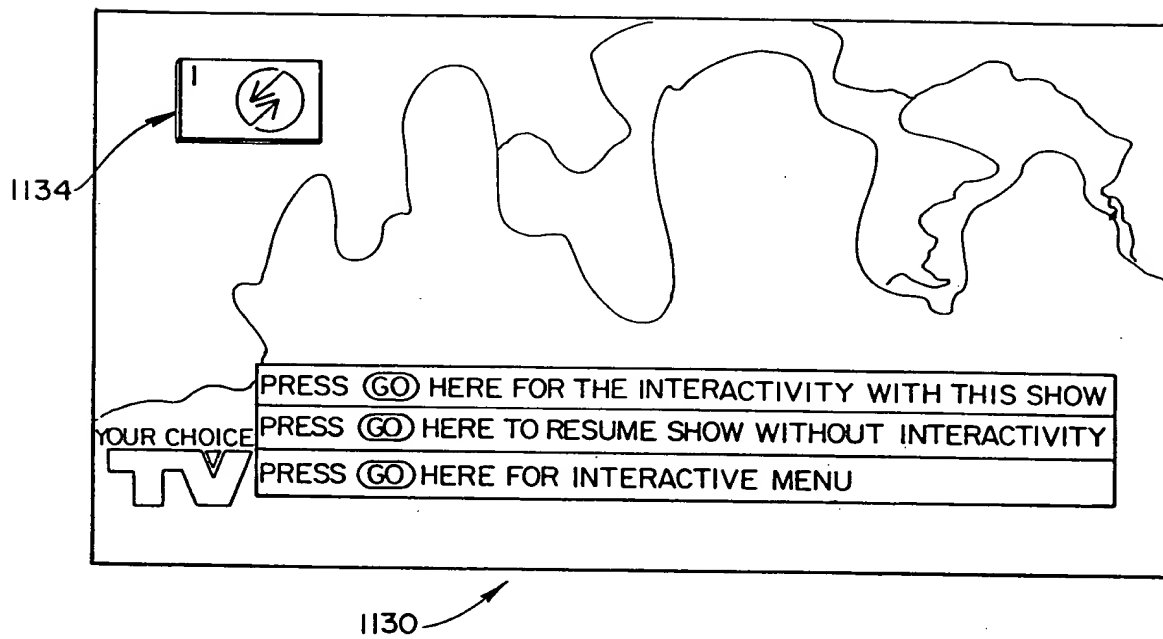


Fig. 19b

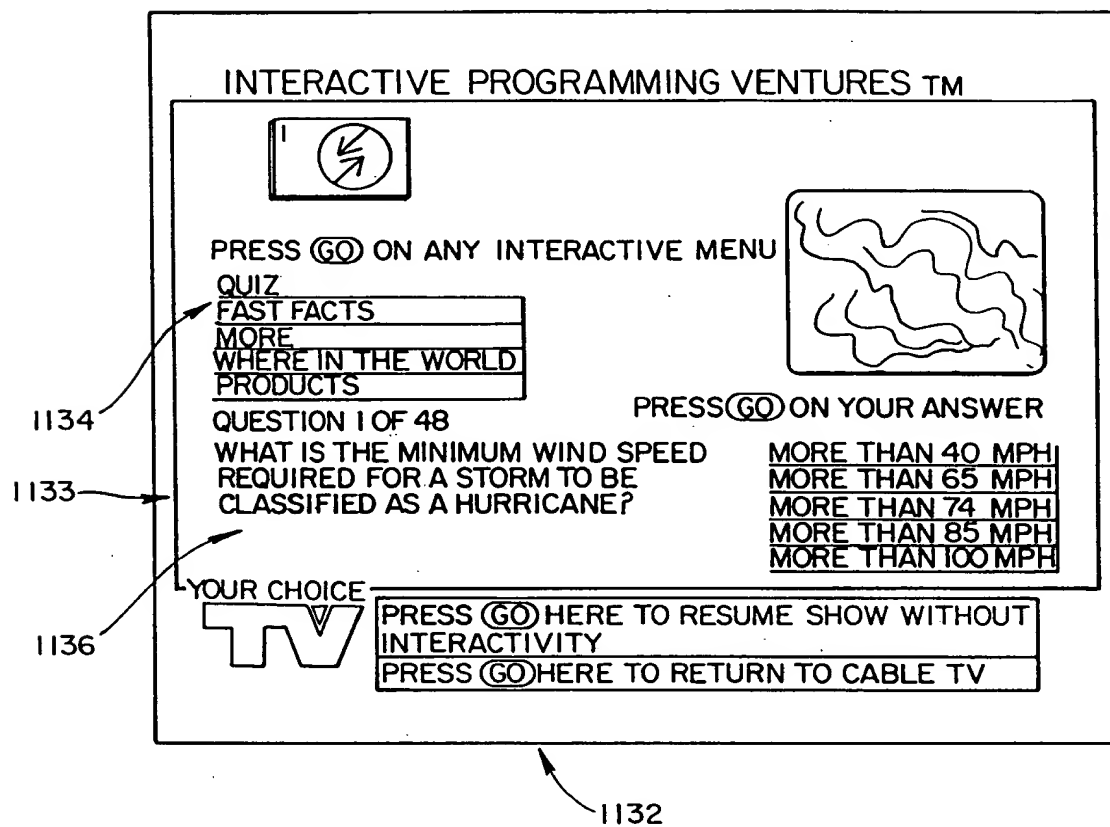
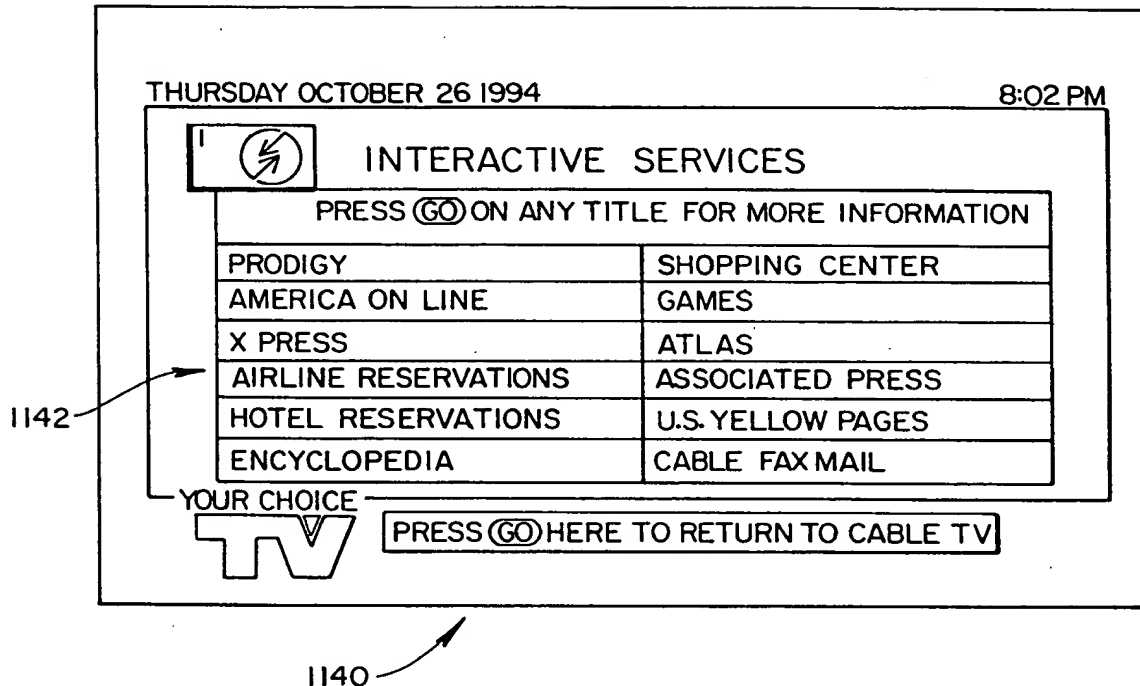


Fig. 20a



1144

Thursday, October 26, 1994

8:04 PM

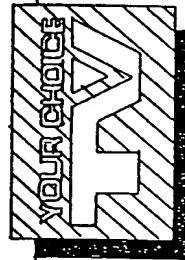


AIRLINE INFORMATION AND RESERVATIONS(continued)

Here are your airline flight options for a morning departure from Phoenix to Dulles.

Press on Any Flight to Check Availability and Fare

Depart Time	Arrive Time	Airline	Flight No.	Stops	Connecting Through
6:15 AM	1:30 PM	AMERICAN	32	0	
7:30 AM	2:45 PM	AMERICAN	212	0	
8:00 AM	3:07 PM	DELTA	49	0	
10:30 AM	7:15 PM	US AIR	285	1	Chicago
11:25 AM	6:10 PM	UNITED	10	0	
11:45 AM	8:40 PM	UNITED	77	1	Dallas



Press Here to Return to Airline Main Menu

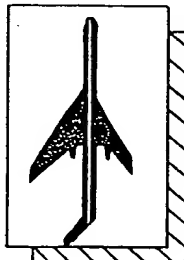
Press Here to Return to Menu

Press Here to Return to Cable TV

FIG. 20b

Thursday, October 26, 1994

8:05PM




AIRLINE INFORMATION AND RESERVATIONS(continued)


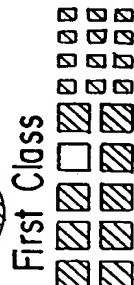

DELTA FLIGHT #49 from Phoenix to Dulles direct
departs 8:00 AM and arrives 3:07 PM

SEATS AVAILABLE ARE SHOWN IN BLUE

3 First Class Seats Remaining

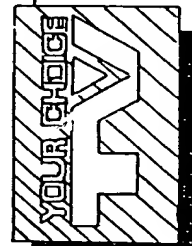
15 Coach Class Seats Remaining


Press  on Any Blue Seat(s) to Make Reservations


First Class	Coach Class	Aircraft Equipment 757
		

1152

1150



Press  Here to Erase Above and Repeat

Press  Here to Cancel Above and Exit


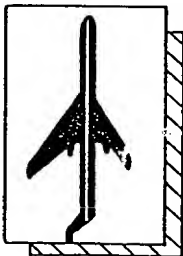
Press  Here to Continue

FIG. 20c


Thursday, October 26, 1994





8:06 PM



AIRLINE INFORMATION AND RESERVATIONS(continued)

CREDIT CARD CHARGE

Press  on
Credit Card You
Want to Use:

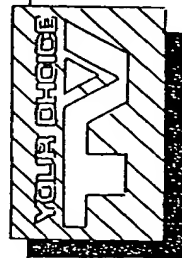
Amount: \$590.00		Delta Flight # 49	
One Way: Phoenix to Dulles		Date: 11/25/94	
Departs: 8:00AM		Arrives: 3:07 PM Dinner	
			




Enter Your Credit Card Number:

2	1	7	7	3	5						
---	---	---	---	---	---	--	--	--	--	--	--

Enter Expiration Date (example 10/99/77):

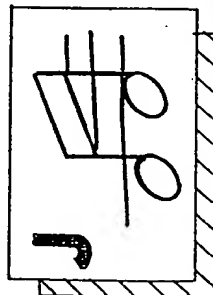
Month:		Year:	
10	99	77	



Press  Here to Erase Above and Repeat
Press  Here to Cancel Above and Exit
Press  Here to Confirm Above Charge

Thursday, October 26, 1994


8:08 PM



DMX Demonstration

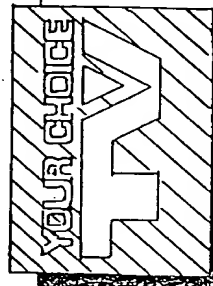



Here are the menu options you'll enjoy:

Press  On the station you want

Top 5	Hard Rock	Easy Listening	New Age	Country Top 40	Rhythm and Blues	Classical
Top 10	Heavy Metal	Instrumentals	Favorite Light Rock	New Country	Blues Legends	Classical Piano
Top 40	Rock Classics	Easy List. Favorites	Beatles Only	Country Classics	Soul	Classical Strings
Rock	Rap	Jazz	Rock Legends	Bluegrass	Soul Classics	Classical Guitar
'30s	'40s	'50s	'60s	'70s	'80s	'90s
Waltz	Latin	Disco	Polka	Reggae	Dance Fever	Teen Dance
You are listening to: MAGGIE MAY by Rod Stewart 1972						
More Information on Current Artist/Song						Screen ON/OFF

All this for just \$4.95 per month. Less than 1/2 the cost of one CD! ORDER NOW.



Press  Here to Order DMX

Press  Here to Return to Cable TV

FIG. 21

Fig. 22

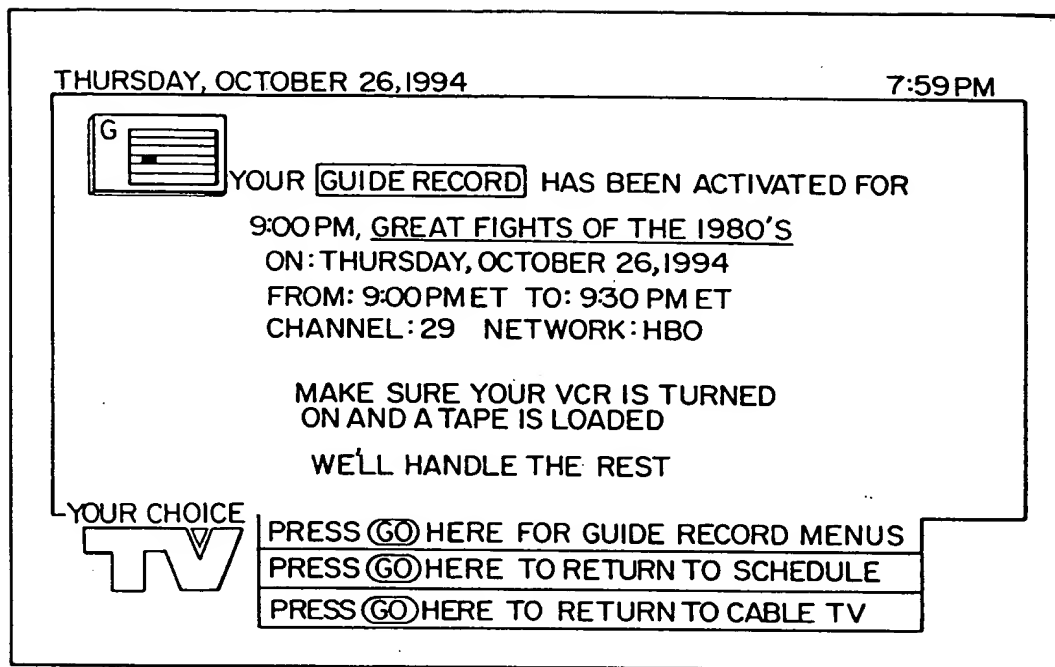


Fig. 23

